

DRILL HOLES

BORDER REV: DATE: June 1, 2004

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PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of existing Traffic Control Signals with existing street lighting at the following locations:

US 40 (Pulaski Hwy) and Revolution Street  
US 40 (Pulaski Hwy) and Lewis Lane  
US 40 (Pulaski Hwy) and Otsego Street

The intersections are located in Harford County. Opticom pre empton shall be installed at the above intersections. US 40 (Pulaski Hwy) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

US 40 (Pulaski Hwy) and Revolution St

- The intersection shall continue to operate in a NEMA five phase, fully-actuated mode, with the US 40 (Pulaski Hwy) approaches running concurrently. Exclusive left turn phase shall continue to be provided for westbound approach of US 40 (Pulaski Hwy). Farside sampling stations shall remain in operation on both legs of US 40 (Pulaski Hwy) at this intersection. The Revolution St / Driveway approaches shall also continue to run concurrently. Pre empton shall be installed for the US 40 (Pulaski Hwy) westbound approach.

- The Opticom Discriminator module shall be installed into the existing base mounted cabinet.

US 40 (Pulaski Hwy) and Lewis Lane

- The intersection shall continue to operate in a NEMA six phase, fully-actuated mode, with the US 40 (Pulaski Hwy) approaches running concurrently. Exclusive left turn phases shall continue to be provided for both approaches of US 40 (Pulaski Hwy). The Lewis Lane approaches shall also continue to run concurrently. Pre empton shall be installed for the US 40 (Pulaski Hwy) westbound approach. Pre empton shall also be installed for both approaches of Lewis Lane.

- The Opticom Discriminator module shall be installed into the existing base mounted cabinet.

US 40 (Pulaski Hwy) and Otsego Street / MD 155 (Ohio Street)

- The intersection shall continue to operate in a NEMA seven phase, fully-actuated mode, with the US 40 (Pulaski Hwy) approaches running concurrently. Exclusive left turn phases shall continue to be provided for both approaches of US 40 (Pulaski Hwy). The Otsego Street approaches shall also continue to run concurrently. The MD 155 (Ohio Street) approach shall continue to operate in its won phase. Pre empton shall be installed for the US 40 (Pulaski Hwy) eastbound approach. Pre empton shall also be installed for the northbound approach of Otsego Street and for the MD 155 (Ohio Street) approach.

- The Opticom Discriminator module shall be installed into the existing base mounted cabinet.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- Installation of the Emitters shall be the responsibility of the Susquehanna Volunteer Fire Department.
- The Contractor shall deliver 3 emitters to Mr. Mark Gorham at Susquehanna Hose Company (410) 459-9371 (Cell).

The contact persons for District #4 are as follows:

Ms. Erin Kuhn  
Assistant District Engineer - Traffic  
Phone: (410) 321-2781

Mr. Andre Futrell  
Assistant District Engineer - Maintenance  
Phone: (410) 321-2761

Mr. Mike Pasquaiello  
Assistant District Engineer - Utility  
Phone: (410) 321-2841

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

Mr. Ed Rodenhizer  
Chief, Signal Operations Section  
Phone: 410-787-7652

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9571	Sheet aluminum signs to consist of: (most arm or pole mount)	21 SF
	D3-2 "Revolution St (arrow)/ (arrow) Revolution St" sign, (variable x 16") (dual faced).	2 EA

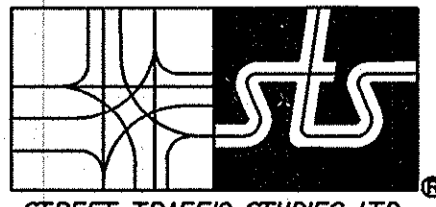
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
1003	Removal of existing permanent pavement line markings Any Width	1035 L.F.
5002	12" white lead free permanent preformed thermoplastic pavement marking.	380 L.F.
5003	24" white lead free permanent preformed thermoplastic pavement marking.	165 L.F.
8005	3M opticom #764 Discriminator module, 4 channel	3 EA
8006	3M opticom emitter system 700 series.	3 EA
1 8009	Adjust existing handhole to grade.	1 EA
8017	Remove and dispose of existing material & equipment per assignment.	1 EA
8023	4 conductor opticom cable.	1135 L.F.
1 8026	Schedule 80 rigid PVC conduit up to 4" - bored.	120 L.F.
8047	Install overhead sign.	21 SF
8049	Opticom #721 detector eye.	5 EA
Neg.	5" yellow lead free permanent preformed thermoplastic pavement marking.	600 L.F.

C. EQUIPMENT TO BE REMOVED

Any signal equipment removed by the Contractor shall become property of the Contractor.

1 GREENLINE REVISION 11/25/09  
TEDD APPROVA *[Signature]*



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PLOTTED: \*DATE\*  
FILE: \*FILE\*

<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION			
US 40 AND OLD POST RD/ LEWIS LA / OTSEGO ST			
HARVE DE GRACE, MARYLAND			
GENERAL INFORMATION SHEET			
SCALE	NONE	DATE	7/9/08
CONTRACT NO.		XX4485185	
DESIGNED BY	J.W.A.	COUNTY	HARFORD
DRAWN BY	R.C.	LOGMILE	
CHECKED BY	<i>[Signature]</i>	TIMS NO.	1841
F.A.P. NO.		TOD NO.	
TS NO.	DRAWING NO. 5 OF 5	SHEET NO. OF	